



**Academic Appointments**

1984-1985	Research Fellow in Ophthalmology Harvard Medical School
1987-1990	Clinical Fellow in Ophthalmology Johns Hopkins Medical School
1990-1991	Clinical Fellow in Ophthalmology Harvard Medical School
1991-1993	Assistant Clinical Professor Department of Surgery Brown University School of Medicine
1992-1994	Instructor of Ophthalmology Harvard Medical School
1994-1995	Assistant Professor of Ophthalmology Harvard Medical School
1995-2005	Assistant Clinical Professor of Ophthalmology Harvard Medical School
2005-	Associate Clinical Professor of Ophthalmology Harvard Medical School

**Current Hospital or Affiliated Institution Appointments**

Surgeon in Ophthalmology, Active Staff  
Massachusetts Eye and Ear Infirmary, Boston, MA

Associate Surgeon  
Department of Surgery  
Massachusetts General Hospital  
Boston, MA

Active Staff, Surgisite Boston  
Waltham, MA

Courtesy Staff  
Winchester Hospital  
Winchester, MA

### **Major Administrative Responsibilities**

1992-1994	Director, General Eye Service Massachusetts Eye and Ear Infirmary, Boston, MA
1992-1995	Director, Refractive Surgery Unit Massachusetts Eye and Ear Infirmary, Boston, MA
1994-1995	Acting Director, Cornea Service Massachusetts Eye and Ear Infirmary, Boston, MA
1994-1995	Director, Cornea/External Disease Fellowship Program Massachusetts Eye and Ear Infirmary, Boston, MA
1994-95	Medical Director, New England Region Sight Resource Corporation, Burlington, MA
1996-2002	President and Medical Director Laser Eye Center of Boston Boston, Quincy and Waltham, MA
1997-2001	Regional Medical Director ARIS Vision, Inc., Santa Monica, CA
2001-2003	Director, Medical Advisory Board, Physician Education, Inc.

### **Professional Societies**

#### **Memberships**

1985-1997	Association for Research in Vision and Ophthalmology
1990-2003	International Society of Refractive Surgery
1991-present	Fellow, American Academy of Ophthalmology
1991-present	Society of Heed Fellows
1991-present	American Society of Cataract and Refractive Surgery

1991-1993	RI Society of Eye Physicians & Surgeons
1993-present	MA Society of Eye Physicians & Surgeons
1993-present	New England Ophthalmological Society
1993-1999	AMA/Massachusetts Medical Society
2004-present	Massachusetts Medical Society

### **Committee Assignments in Professional Societies**

1995-2001	Board of Directors International Society of Refractive Surgery
1995-2003	Preferred Practice Patterns Advisory Panel Refractive Errors: Medical and Surgical Treatment American Academy of Ophthalmology
1995-2002	Publications Committee, International Society of Refractive Surgery
1996-1999	Residents and Fellows Committee International Society of Refractive Surgery
1996-1999	Chairman, Telecommunications Subcommittee Continuing Education Committee International Society of Refractive Surgery
1998-2004	Ethics Committee American Academy of Ophthalmology
1999-2001	Treasurer, International Society of Refractive Surgery
2001-present	Associate Examiner, American Board of Ophthalmology

### **Editorial Boards**

1994-1997	Assistant Editor Journal of Refractive Surgery
1997-99	Associate Editor Journal of Refractive Surgery

1995-present	Editorial Board Ophthalmology Times
2001-2005	Editorial Board Refractive Surgery Quarterly

### **Awards and Honors**

1984	U.S. Public Health Service Student Training Award
1985	A.R.V.O./National Eye Institute Travel Award
1985	Fight for Sight Student Fellowship Award
1990-91	Heed Ophthalmic Foundation Scholarship
1998	Honor Award, American Academy of Ophthalmology

## **Research, Teaching, and Clinical Contributions**

### **Research Funding Information**

1990-1991	Co-Investigator Summit Technology Photorefractive & Phototherapeutic Keratectomy FDA Phase IIb Clinical Trial
1992-95	VISX, Inc. Phototherapeutic Keratectomy FDA Phase III Clinical Trial Co-Investigator 1992-1993

- Principal Investigator 1994-95
- 1992-97 VISX Inc. Photorefractive Keratectomy  
FDA Phase II b Clinical Trial: Moderate Myopia  
Co-Investigator 1992-1993.  
Principal Investigator 1994-1997
- 1992-1996 VISX Inc. Photorefractive Keratectomy  
FDA Phase II b Clinical Trial: High Myopia  
Co-Investigator 1992-1993  
Principal Investigator 1994-1996
- 1993 & 94 N.E. Corneal Transplant Research Fund Grants
- 1996-99 VISX, Inc. Photorefractive Keratectomy  
FDA Clinical Trial: Hyperopia  
Principal Investigator
- 1997-99 Principal Investigator  
Laser-in-situ-keratomileusis (LASIK) for Hyperopia  
FDA Physician Investigational Device Exemption
- 1999-2002 Moria, Inc.  
Clinical Evaluations of the Carriazo-Barraquer and M2  
Microkeratome Systems
- 2000-2002 FDA Clinical Trial: LASIK for Mixed Astigmatism  
VISX, Inc.  
Principal Investigator
- 2003-2004 FDA Clinical Trial: Cevimilene for Severe Dry Eye after LASIK  
Daiichi Pharmaceuticals  
Principal Investigator
- 2003-2005 Clinical Evaluation of LASIK flap thickness using a femtosecond  
YAG laser. Principal Investigator. Sponsor: Intralase Corp.
- 2004-present Clinical Evaluation of Intacs for Keratoconus  
Sponsor: Addition Technology, Inc.  
Principal Investigator (HDE Protocol)

## Report of Teaching

### Local Continuing Medical Education Courses

- 1993 & 1994      Course Director  
Practical Keratorefractive Surgery  
Massachusetts Eye and Ear Infirmary &  
Harvard Medical School
- 1994              Course Director  
Phacoemulsification and Small Incision  
Cataract Surgery  
Massachusetts Eye and Ear Infirmary &  
Harvard Medical School
- 1993 - 1996      Course Faculty, Cornea Section,  
Lancaster-Harvard Medical School Course in Ophthalmology,  
Colby College, Waterville, ME
- 1993 - 1995      Course Faculty  
Practical Ophthalmology for the Primary Care Physician  
Massachusetts Eye & Ear Infirmary &  
Harvard Medical School
- 1994              Course Faculty  
Basic & Advanced Corneal Topography  
Eyesys Technologies  
Boston, MA
- 1994              Course Faculty  
Radial keratotomy: The Genesis Technique.  
Alcon Surgical, Inc.  
Boston, MA

- 1996 & 1997      Course Faculty: Cornea and External Disease  
Intensive Review of Ophthalmology  
Harvard Medical School
- 1996 & 1997      Course Co-Director  
VISX Excimer Laser Physician Certification Courses  
Massachusetts Eye and Ear Infirmary
- 1997-98            Surgeon-Trainer, C-LASIK, Chiron/Bausch & Lomb, Inc
- 1998-2002        Surgeon-Trainer, LASIK Education, Microtech and Moria, Inc.
- 2003-2005        Surgeon-Trainer  
Intralase Corporation
- 2005              Course Faculty: 2005 Update on Ophthalmology  
Department of Ophthalmology, Harvard Medical School
- Lecturer in ½-day long didactic course  
Approximately 4 hours preparation

### **Advisory/Supervisory Responsibilities**

- 1991-1993        Medical Student Preceptor  
Elective in Ophthalmology, Brown University  
School of Medicine
- 1991-1992        Resident Cornea Lecture Series  
Department of Ophthalmology, Rhode Island Hospital  
Brown University Medical School  
Providence, RI
- 1991-1993        Attending Physician and Surgeon  
Department of Ophthalmology, Rhode Island Hospital  
Providence, RI

1991-1993	Attending Physician and Surgeon Department of Ophthalmology, Miriam Hospital Providence, RI
1992-1995	Founder and Director, Refractive Surgery Unit Massachusetts Eye and Ear Infirmary
1992-1995	Attending Physician/Acting Director, Cornea Service, Massachusetts Eye and Ear Infirmary
1992-95	Attending Physician, General Eye Service, Massachusetts Eye and Ear Infirmary
1995-2006	Attending Physician for Clinical Fellowship MEEI/HMS and Cornea Consultants
1996-2002	Medical Director, The Laser Eye Center of Boston
2005-present	Faculty Preceptor, HMS Basic and Advanced Medical Student Electives in Ophthalmology

## **Regional Teaching Contributions (Northeastern U.S.)**

### **Invited Presentations**

1993	Invited Lecturer, New Jersey Academy of Ophthalmology "Refractive surgery techniques and complications"
1994	Invited Lecturer, New England Ophthalmological Society "Corneal topography and the cataract surgeon" "Radial keratotomy enhancements"
1995	Invited Lecturer, New England Ophthalmological Society "Access alternatives for laser refractive surgery"

- 1995 Visiting Professor, Manhattan Eye, Ear Nose & Throat Hospital
- 1995 Visiting Professor, New York Hospital/Cornell Medical Center
- 1996 Keynote Speaker, New England Congress of Optometry  
“Excimer Laser Refractive Surgery”
- 1997 Invited Lecturer, New England Ophthalmological Society  
“PRK and LASIK for Hyperopia”
- 1997 Invited Lecturer, New England Ophthalmological Society  
“New Ophthalmic Technologies”
- 1998 Visiting Professor/Grand Rounds, New York Medical College  
Valhalla, NY
- 1998 Visiting Professor, Greater New York Ophthalmology Lecture  
Series, Manhattan Eye, Ear and Throat Hospital
- 1998 Visiting Professor, State University of New York Health Science  
Center, Syracuse, NY
- 1999 Invited Lecturer, New England Ophthalmological Society “  
“Photorefractive keratectomy for hyperopia”
- 1999 Invited lecturer, New England Ophthalmological Society  
“Hyperopic LASIK”
- 2000 Invited Lecturer, New England Ophthalmological Society  
« Intacs for Keratoconus »
- 2001 Invited Lecturer, New England Congress of Optometry  
« Surgical Management of Irregular Astigmatism »
- 2001 Invited Lecturer, American Optometric Association National  
Meeting, Boston, MA. « Management of Complex Corneal  
Disease »
- 2002 Invited Lecturer, Ocular Symposium, Boston, MA  
« Wavefront analysis and excimer laser surgery »

- 2002 Invited Lecturer, New England Ophthalmological Society  
« Clinical Pearls for Avoidance and Management of  
Intraoperative Problems during LASIK »
- 2002 Invited Lecturer, New England Ophthalmological Society  
« Emerging Trends in Refractive Surgery »
- 2003 Invited Lecturer, Ocular Symposium, Boston, MA  
« Recent advances in refractive surgery »
- 2003 Invited Lecturer, New England Ophthalmological Society  
« Intraocular lens calculations after keratorefractive surgery »
- 2003 Invited Lecturer, New England Ophthalmological Society  
« LASIK with Intralase : The evolution from blade to laser-based  
lamellar keratectomy »
- 2004 Invited Speaker, New England Ophthalmological Society  
« Intacs for Keratoconus »
- 2004 Invited Speaker, New England Ophthalmological Society  
Lasik, Phakic IOL's and Refractive Lensectomy : Where do they  
fit?
- 1996, 2002, 2005 Program Moderator  
New England Ophthalmological Society  
Boston, MA

## National Teaching Contributions

### Invited Presentations

- 1994 Invited Lecturer, Update on Refractive Surgery  
Bascom Palmer Eye Institute, University of Miami, Miami, FL

- 1994 Course Faculty, American Academy of Ophthalmology  
Special Focus Course: Refractive Surgery  
Seattle, WA
- 1994 & 95 Course Faculty  
Excimer Laser Skills Transfer Course  
American Academy of Ophthalmology
- 1994 & 95 Course Instructor  
Cornea and Anterior Segment:  
Advanced Surgical Techniques: Laboratory  
American Academy of Ophthalmology
- 1995 Invited Faculty, Current Concepts in Ophthalmology  
Wilmer Ophthalmological Institute, Vail, CO
- 1995 Visiting Professor, University of Texas at San Antonio
- 1995 Visiting Professor, Wilford Hall Medical Center, USAF  
Lackland A.F.B., San Antonio, TX
- 1995 Visiting Professor, Anheuser-Busch Eye Institute  
St. Louis University, St. Louis, MO
- 1995 Invited Lecturer, St. Louis Ophthalmological Society  
St. Louis, MO
- 1995 Invited Lecturer, American Academy of Ophthalmology  
Refractive Surgery Subspecialty Day  
"Excimer Phototherapeutic Keratectomy: Surgical Techniques"
- 1995-1997 Program Moderator  
International Society of Refractive Surgery  
Annual Summer and Fall Meetings
- 1996 & 1999 Invited Lecturer/Guest Faculty, Colorado  
Ophthalmological Society  
Breckenridge, CO
- 1996 Invited Lecturer, American Academy of Ophthalmology  
Refractive Surgery Subspecialty Day, Chicago, IL

“Technical aspects of excimer laser systems: The Coherent-Schwind Keratom Laser”

- 1996 Invited Discussant, American Academy of Ophthalmology, Chicago, IL. Hersh PS et al: “PRK versus LASIK for Moderate to High Myopia: A Prospective Randomized Study”
- 1997 Invited Lecturer/Guest of Honor, Aspen Corneal Society Snowmass, CO
- 1997 Invited Lecturer, American Academy of Ophthalmology, San Francisco, CA. Special Symposium on Refractive Surgical Techniques. “LASIK: The Learning Curve”
- 1997 Invited Discussant, American Academy of Ophthalmology, San Francisco, CA. El Danasoury et al : « Comparison of PRK with LASIK in correcting low to moderate myopia: A randomized study”
- 1996 Invited Discussant, American Academy of Ophthalmology, San Francisco, CA. Pallikaris IG et al : « LASIK and PRK in the correction of myopia from 5-10 diopters”
- 1997 Program Moderator  
Session on LASIK Techniques and Complications  
American Society of Cataract and Refractive Surgery  
Boston, MA
- 1997 Course Faculty  
American Academy of Ophthalmology  
“Corneal Challenges”  
San Francisco, CA
- 1997-99 Course Faculty  
International Society of Refractive Surgery  
Avoiding and Managing LASIK Complications  
Summer World Refractive Surgery Symposium, Orlando, FL  
and Annual Pre-AAO Meeting, San Francisco, CA
- 1998-2003 Course Faculty  
Annual Ethics Course

American Academy of Ophthalmology

- 1998 Invited discussant, American Academy of Ophthalmology, Orlando, FL. Donnenfeld ED et al: "LASIK for Correction of Myopia and Astigmatism after Penetrating Keratoplasty"
- 1999 Invited Lecturer, American Academy of Ophthalmology Subspecialty Day 1999, New Orleans, LA  
"Assessing Visual Quality after Refractive Surgery"
- 1999 Program Moderator  
LASIK Complications Session  
International Society of Refractive Surgery  
Miami, FL
- 2000 Invited Lecturer, American Academy of Ophthalmology, Dallas, TX. Subspecialty Day 2000. « Management of Epithelial Ingrowth after LASIK »
- 2000 Invited Lecturer, International Society of Refractive Surgery, Dallas, TX. « LASIK Flap Slippage associated with the use of preoperative alphagan «
- 2000 Course Faculty  
LASIK for Hyperopia and Astigmatism  
Breakfast with the Experts  
American Academy of Ophthalmology  
Dallas, TX
- 2000 Program Moderator  
Pharmacologic manipulation and wound healing  
International Society of Refractive Surgery  
Dallas, TX
- 2001 Invited Lecturer, American Academy of Ophthalmology Refractive Surgery Subspecialty Day, New Orleans, LA  
« LASIK Enhancement »

- 2002 Invited Lecturer, American Academy of Ophthalmology  
Refractive Surgery Subspecialty Day. Orlando, FL « Haze  
complications of PRK and LASEK »
- 2002 & 2003 Program Moderator  
“Ethical Co-Management”  
Breakfast with the Experts  
American Academy of Ophthalmology  
Orlando, FL & Anaheim, CA
- 2003 Invited Lecturer & Program Moderator, 2<sup>nd</sup> Annual Intralase  
Users Group, Laguna Beach, CA. « Flap thickness  
reproducibility of mechanical microkeratomes versus the  
Intralase FS laser »
- 2003 Invited Lecturer, ISRS/American Academy of Ophthalmology  
Refractive Surgery Subspecialty Day. Anaheim, CA.  
« Femtosecond Laser Pros and Cons »
- 2004 Invited Lecturer, American Academy of Ophthalmology  
Special Symposium: “LASIK Under Fire”
- 2004 Course Faculty, Annual International Ophthalmology Course  
Bascom Palmer Eye Institute/University of Miami School of  
Medicine, Miami, FL

## **International Teaching Contributions**

### **Invited Presentations**

- 1994 Visiting Professor, Universitas Carl Gustavus  
Dresden, Germany
- 1994 Visiting Professor, Hospital San Jose &  
Instituto Tecnologica de Monterrey, Monterrey, Mexico
- 1994 Invited Lecturer, Symposium on Refractive Surgery  
Baja California Ophthalmological Society, Tijuana, Mexico
- 1995 & 96 Course Director (6 separate courses)

- Advanced Techniques in Excimer Laser  
Refractive Surgery  
Monterrey, N.L., Mexico
- 1997 Visiting Professor, Chinese University of Hong Kong  
Hong Kong, N.T., China
- 1997 Invited Speaker, Mexican Cornea Society  
Puerto Vallarta, Mexico
- 2000 Keynote Speaker/Guest of Honor: 1<sup>st</sup> Annual Meeting of The  
International Society for Quality of Vision, Tokyo, Japan  
“Recent Techniques and Evaluation of Visual Quality after  
LASIK Surgery”
- 2005 Invited Speaker, European Society of Cataract and Refractive  
Surgery, Rome, Italy.  
“Femtosecond laser assisted flap creation”
- 2006 “Intralase-Assisted Therapeutic Keratoplasty”  
European Society of Cataract and Refractive Surgery  
Monaco, Monte Carlo

## **Selected Bibliography**

### **Original Articles**

1. Chipps, BE, Mak H, Schuberth KC, Talamo JH, Scherr MS, Menkes HA. Nocturnal oxygen saturation in normal and asthmatic children. *Pediatrics* 1980; 65:1157-1160.
2. Mak H, Chipps BE, Menkes HA, Schuberth KC, Talamo JH, Scherr MS, Talamo RC, Permutt S. Diurnal variation of air and helium - oxygen flow - volume curves in asthmatic children. *Br J Dis Chest* 1982; 76:51-56.
3. Chipps BE, Mak H, Menkes HA, Mellitts ED, Schuberth KC, Talamo JH, Talamo RC, Permutt S, Scherr MS. Do weather conditions change pulmonary function in asthmatics at a summer camp? *J Asthma* 1984;21:15-20

4. Talamo JH, Topping TR, Green WR, Maumenee AE. Ultrastructural studies of a case of siderosis bulbi. *Ophthalmology* 1985;92:1675-1680.
5. Talamo JH, D'Amico DJ, Hanninen LH, Shanks ET, Kenyon KR. Influence of aphakia and vitrectomy on experimental retinal toxicity of aminoglycoside antibiotics. *Am J Ophthalmol* 1985;100:840-847.
6. Talamo JH, D'Amico DJ, Kenyon KR. Use of intravitreal amikacin in the treatment of bacterial endophthalmitis. *Arch Ophthalmol* 1986; 104:1483-1485.
7. D'Amico DJ, Talamo JH, Felsenstein D, Hirsch MS, Albert DM, Schooley RT. Antiviral therapy of cytomegalovirus retinitis in AIDS: Ophthalmoscope and ultrastructural observation with BW -B759U therapy. *Arch Ophthalmol* 1986; 104:1788-1793.
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9. Talamo JH, Goodman DF, Pratzner K, Enger C, Cravy TV, Gottsch JD, Stark WJ. The natural history of corneal astigmatism after cataract surgery. *J Cataract Refract Surg* 1991;17:313-318.
10. Talamo JH, Gollamudi S, Green WR, Filatov V, Stark WJ. The influence of mitomycin C and steroids on corneal wound healing after excimer laser photorefractive keratectomy. *Arch Ophthalmol* 1991; 109:1141-1146.
11. Talamo JH, Gottsch JD. Computed Corneal Topography of Corneal Ectatic Disorders. *Current Opinion in Ophthalmology* 1991; 2:392-401.
12. Schatz H, Green WR, Talamo JH, Hoyt WF, Johnson RN, McDonald HR. Clinicopathologic correlation of retinal to choroidal venous collaterals to the optic nerve head. *Ophthalmology* 1991;91:1287-1295.
13. Talamo JH, Steinert RF, Puliafito CA. Clinical Strategies for Excimer Laser Therapeutic Keratectomy. *Refract Corneal Surg* 1992; 8 (4):319-324.
14. Filatov V, Talamo JH, Steinert RF. Postkeratoplasty Astigmatism: Single running suture adjustment versus selective removal of interrupted sutures. A Prospective Randomized Trial. *Am J Ophthalmol* 1993; 115:715-21.

15. Smith EM, Petashnick D, Assil KK, Talamo JH. Comparison of Astigmatic Axis in the Seated and Supine Positions. *Refract Corneal Surg* 1994; 10:615-620.
16. Krueger RR, Talamo JH, McDonald MB, Wagoner MD, McDonnell PJ. Excimer laser photorefractive keratectomy for high myopia. *Am J Ophthalmol* 1995; 119:263-274.
17. Talamo JH, Seibert K, Wagoner MD, Kenyon KR et al. Multicenter study of excimer photorefractive keratectomy for moderate myopia. *J Refract Surg* 1995; 11: 238-247.
18. Smith EM, Talamo JH. Evaluation of Ocular Cyclotorsion Using a Maddox Double Rod Technique. *J Cataract Refract Surg.* 1995; 21: 402-403.
19. Young JA, Siegel I, Talamo JH. Contour resolution of the Eyesys corneal analysis system. *J Cataract Refract Surg* 1995; 21: 404-406.
20. Chynn E, Lopes M, Langston DP, Talamo JH. Acanthamoeba keratitis: Contact lens and non-contact lens characteristics. *Ophthalmology* 1995; 102: 1369-1373.
21. Verity SM, Talamo JH, Chayet A and The Refractive Keratoplasty Study Group. The combined (Genesis) technique of radial keratotomy: A prospective multicenter trial. *Ophthalmology* 1995; 102:1908-1917.
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23. Berger J, Bochow TW, Talamo JH, D'Amico DJ. Measurement and modeling of thermal transients during Er:YAG irradiation of vitreous. *Lasers Surg Med* 1996;19:388-396.
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25. Waller SJ, Lamarche K, Talamo JH. Modification of astigmatic keratotomy incisions with collagen implants. *J Cataract Refract Surg* 1996; 22:1-3.
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39. Talamo JH, Meltzer J, Gardner J. Reproducibility of LASIK flap thickness with mechanical microkeratomes and a femtosecond YAG laser. *J Refract Surg* 2006.
40. Carasquillo K, Rand JS, Talamo JH. Intacs for Keratoconus using Mechanical versus Laser Assisted Channel Creation. *Cornea* 2007. In Press.

### **Published Proceedings of Meetings**

1. Berger JW, Kim SH, LaMarche K, Marcellino G, D'Amico DJ, Talamo JH. Er:YAG laser drilling of cataractous lens: Predicting the ablation rate with a simple model. *Proc SPIE* 1995.; 2393: 148-159.

2. Talamo JH, Abad JC. Epithelial removal techniques for Excimer PRK. Proceedings of The International Society of Refractive Surgery Summer Symposium, July 18-21, 1996, Minneapolis Minnesota.

## Reviews, Chapters, and Editorials

### Reviews and Chapters

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2. Talamo JH, Steinert RF. Keratorefractive Surgery. In: Albert DM and Jakobiec FA Eds. *The Principles and Practice of Ophthalmology: The Harvard System*. W.B.Saunders, Philadelphia. 1992. Vol. 1, pp. 342-361.
3. Gangadhar DV, Talamo JH. The Use of Computerized Videokeratography in Refractive Surgery. *Seminars in Ophthalmology* 1994. 9(2); 81-90.
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6. Talamo JH and Kornstein HS. Keratorefractive Surgery. In: Langston DP Ed. *Manual of Ocular Diagnosis and Therapy: Fourth Edition*. Little Brown, Boston. 1995. pp123-130.
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9. Talamo JH, Gangadhar DV. Corneal Topography: Adjunctive use in keratorefractive surgery. In: Azar DT Ed. Refractive Surgery. Appleton Lange. Stamford, CT. 1997. pp. 169-184
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11. Filatov V, Johnston WT, Talamo JH. Corneal wound healing following refractive keratotomy. In: Azar DT Ed. Refractive Surgery. Appleton Lange. Stamford, CT. 1997. pp. 29-40.
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### **Editorials**

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